

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

- 1 1. (Currently Amended) A method for providing data representative of at least one
2 characteristic relevant to viability of a product, the method comprising:
3 monitoring and storing data associated with at least one characteristic associated with
4 viability of said product;
5 analyzing, by a processor, the data associated with said at least one characteristic;
6 based on said analyzing, the processor predicting at least one dynamically alterable future
7 viability state condition of said product related to said data associated with said at least one
8 characteristic; and
9 displaying at least one indicator related to said at least one dynamically alterable future
10 viability state condition, wherein said at least one indicator is in the form of a future date that is
11 adjusted based on the analyzing.
- 1 2. (Cancelled)
- 1 3. (Previously Presented) The method as set forth in claim 1 wherein said at least one
2 characteristic associated with the at least one dynamically alterable future viability state
3 condition is related to probability of degradation of the product.
- 1 4. (Previously Presented) The method as set forth in claim 1 wherein said at least one
2 characteristic associated with the at least one dynamically alterable future viability state
3 condition is related to product maturity.
- 1 5. (Previously Presented) The method as set forth in claim 1 wherein said at least one
2 characteristic associated with the at least one dynamically alterable future viability state
3 condition is related to remaining potency of the product.

1 6. (Currently Amended) A product package comprising:
2 a containment for a product having viability factors;
3 affixed to said containment, a product viability-related conditions monitoring device;
4 an analysis device for receiving, for storing, and for analyzing measurement data from
5 said monitoring device and for generating data representative of a current condition of the
6 product and a dynamically alterable predicted date relating to one of the viability factors of the
7 product stored within said containment; and
8 a display to display the data representative of the current condition and the dynamically
9 alterable predicted date relating to the one viability factor.

1 7. (Currently Amended) A monitoring system for monitoring a product having at least one
2 viability characteristic, the system comprising:
3 a resealable containment for holding said product;
4 a data collection device to measure parameters related to viability of said product; and
5 a parameters analysis device for retrieving at least one rule from a data set of rules and to
6 apply the at least one rule to the measured parameters from said data collection device and for
7 adjusting a dynamically alterable critical date relating to the product according to applying the at
8 least one rule to the measured ~~parameters~~ parameters, wherein the dynamically alterable critical
9 date comprises one of a dynamically alterable maturity date and a dynamically alterable
10 expiration date.

1 8. (Currently Amended) The monitoring system as set forth in claim 7 wherein said data
2 collection device is configured for attachment to said resealable containment.

1 9. (Currently Amended) The monitoring system as set forth in claim 7 further comprising:
2 a display integrated with an environmental control chamber, wherein said data collection
3 device is releasably connected to said display.

1 10. (Currently Amended) The monitoring system as set forth in claim 7 wherein said data
2 collection device is resettable.

1 11. (Currently Amended) Apparatus for predicting and displaying critical time-related
2 information for a product having at least one viability factor, the apparatus comprising:
3 associated with the product, means for obtaining measurements pertinent to viability;
4 ~~associated with the means for obtaining~~ based on the measurements pertinent to viability,
5 means for calculating at least one dynamically alterable time-related characteristic for the
6 product, wherein the at least one dynamically alterable time-related characteristic comprises at
7 least one of a predicted maturity date and ~~[[an]]~~ a predicted expiration date; and
8 associated with the means for calculating, means for displaying said at least one of the
9 predicted maturity date and predicted expiration date.

1 12. – 13. (Cancelled)

1 14. (Original) The apparatus as set forth in claim 11 further comprising:
2 means for establishing a remote telecommunications link between said means for
3 obtaining and said means for calculating.

1 15. (Currently Amended) The apparatus as set forth in claim 11 further comprising:
2 associated with said means for calculating, means for providing rules related to
3 calculating the at least one dynamically alterable time-related characteristic for the product.

1 16. – 17. (Cancelled)

1 18. (Currently Amended) The apparatus as set forth in claim 11 wherein said at least one
2 dynamically alterable time-related characteristic is further based upon a recorded history of
3 handling and environmental conditions which substantively affect the product.

1 19. (Cancelled)

1 20. (Currently Amended) ~~Apparatus~~ An apparatus for predicting and displaying critical
2 time-related information for a product having at least one viability factor, the apparatus
3 comprising:
4 associated with the product, means for obtaining measurements pertinent to viability;
5 associated with the means for obtaining measurements pertinent to viability, means for
6 calculating at least one time-related characteristic for the product;
7 associated with the means for calculating, means for displaying said at least one time-
8 related characteristic; and
9 means for transmitting data related to said at least one viability factor from a first means
10 for calculating a time frame related to critical condition data of the product associated with a first
11 containment to a second means for calculating a time frame related to critical condition data of
12 the product associated with a second containment for said product.

1 21. (Original) The apparatus as set forth in claim 11 further comprising:
2 means for calculating and displaying both current status estimates and measurement
3 histories of said product.

1 22. (Currently Amended) A system for providing a dynamic critical date for a product
2 having at least one viability factor, the system comprising:
3 at least one monitoring device wherein at least one specific critical condition factor
4 associated with maturation and degradation of the product is monitored;
5 at least one storing device wherein data related to said maturation and degradation is
6 stored;
7 associated with said at least one monitoring device and said at least one storing device, at
8 least one data processing device to analyze said data related to said maturation and degradation
9 and to adjust the dynamic critical date according to the data related to said maturation and
10 degradation, the dynamic critical date comprising at least one of a maturity date and an
11 expiration date; and
12 associated with said at least one data processing device, at least one displaying device
13 wherein said dynamic critical date is displayed,
14 wherein said at least one data processing device retrieves a selected at least one rule from
15 a data set of rules stored at a remote storage location, and wherein said at least one data
16 processing device applies the at least one rule to the data related to said maturation and
17 degradation.

1 23. (Cancelled)

1 24. (Currently Amended) The system as set forth in claim 22 further comprising:
2 associated with the at least one data processing device and the at least one monitoring
3 device, at least one telecommunications device for the at least one data processing device to
4 receive the data related to said maturation and degradation from the at least one monitoring
5 device.

1 25. (Currently Amended) A method for predicting and displaying information regarding
2 viability of an item, the method comprising:
3 storing a time-based history of environmental data and handling data of the item;
4 substantially continuously compiling, by a processor, the time-based history;
5 based on the time-based history and at least one rule associated with viability of the item,
6 substantially continuously calculating, by the processor, at least one dynamically alterable
7 critical date associated with the viability, the at least one dynamically alterable critical date
8 comprising at least one of a maturity date and an expiration date; and
9 substantially continuously displaying said at least one dynamically alterable critical date.

1 26. (Cancelled)

1 27. (Previously Presented) The method of claim 1, further comprising displaying a
2 time-based history of measurements relating to the at least one characteristic.

1 28. (Previously Presented) The method of claim 1, wherein the analyzing is performed by
2 the processor on board a monitoring device, and the method further comprising selecting at least
3 one rule from a data set of rules stored in one of (1) a memory on board the monitoring device,
4 and (2) a remote location,
5 wherein analyzing the data associated with said at least one characteristic comprises
6 applying the at least one rule to the data associated with said at least one characteristic.

1 29. (Previously Presented) The method of claim 1, further comprising classifying the
2 product based on identifying the product by performing one of bar code reading, magnetic stripe
3 reading, RFID reading, and optical character recognition,
4 the method further comprising selecting at least one rule from a data set of rules based on
5 the classifying,
6 wherein analyzing the data associated with said at least one characteristic comprises
7 applying the at least one rule to the data associated with said at least one characteristic.

1 30. (Previously Presented) The method of claim 1, wherein the monitoring, storing, and
2 analyzing are performed by a first monitoring device associated with a container that stores the
3 product along with other products, the method further comprising transmitting the data
4 associated with the at least one characteristic from the first monitoring device to an individual
5 monitoring device associated with each of the products.

1 31. (Previously Presented) The product package of claim 6, further comprising a control
2 panel to enable a user to change the display.

1 32. (Currently Amended) The product package of claim 6, wherein the dynamically alterable
2 predicted date relating to the one of the viability factors comprises the dynamically alterable
3 predicted date regarding a maturity of the product.

1 33. (Currently Amended) The monitoring system of claim 7, further comprising a display to
2 display the dynamically alterable critical date and to display historical measurement data.

1 34. (Previously Presented) The system of claim 7, the parameters analysis device to classify
2 the product based on identification of the product according to performing one of bar code
3 reading, magnetic stripe reading, RFID reading, and optical character recognition, and wherein
4 the at least one rule is selected based on the classifying.

1 35. (Cancelled)